

CLAIMS:

1. A display device (1) comprising:
a vacuum envelope, an inner side of which is provided with a luminescent display screen (15), said vacuum envelope comprising at least
an electron source (31) for emitting electrons and
5 directing means for directing the electrons towards said display screen (15),
said directing means comprising:
an arrangement of at least three plates (36, 41, 42) defining a network (10) of electron transport ducts, a middle plate (36) of the arrangement being
10 provided with selection apertures and
selection electrodes associated with the selection apertures for application of selection voltages,
said directing means being arranged for selectively passing the electrons through the selection apertures and directing the electrons alternately at opposite sides of the
15 middle plate,
characterized in that an anti-leakage layer (44, eg) is provided for enabling, in operation, an electric potential on a plate of the arrangement, said electric potential counteracting tunneling of electrons between the middle plate and an adjacent plate.
- 20 2. A display device as claimed in claim 1, characterized in that the anti-leakage layer is formed by a passive anti-leakage layer.
3. A display device as claimed in claim 2, characterized in that facing sides of the plates (36, 41 and 42) are provided with a non-conductive coating having a secondary
25 electron emission coefficient smaller than 1, at positions where no electron transport should take place.
4. A display device as claimed in claim 2, characterized in that at least some of the selection electrodes are at least partly covered with an insulating material.

5. A display device as claimed in claim 4, characterized in that all selection electrodes are at least partly covered with the insulating material.
- 5 6. A display device as claimed in claim 1, characterized in that the anti-leakage layer is formed by an active anti-leakage layer (eg).
7. A display device as claimed in claim 6, characterized in that at least some of the selection electrodes are arranged for functioning as the anti-leakage layer.